

C80M Rechargeable Touchscreen OTDR · 1310/1550 nm · Up to 80 km

Professional Installations / OTDR & Test Equipment

Single-mode OTDR · 1310/1550 nm · 24/22 dB · 0.5–80 km range · 3.5-inch touchscreen · OPM and light source included · VFL · USB-C · 220 g.



OTDR COMPACTO MULTIFUNCIÓN

C80M · 80 km · 1310/1550 nm

Pantalla táctil 3,5" · Recargable · USB-C

Mapa de eventos · VFL · LED · 220 g

KG-FT-OTDR-C80M

KG-FT-OTDR-C80M

Fiber type

Single-mode (SMF)

OTDR wavelengths

1310/1550 nm ± 20 nm

Dynamic range

24/22 dB

Key features

- Dual-wavelength single-mode OTDR: 1310/1550 nm.
- Range of 0.5–80 km and dynamic range of 24/22 dB.
- 3.5-inch color touchscreen and automatic measurement.
- Dead zones: 2 m event and 8 m attenuation.
- Included OPM meter with 10 calibrated wavelengths.
- Included stable 1310/1550 nm light source with CW and modulated modes.
- VFL above 10 mW and LED illumination.
- Rechargeable lithium battery, USB-C charging and declared runtime exceeding 10 hours.
- Memory for 1000 records.
- 140 × 78 × 37 mm format and approximate weight of 220 g.

Technical specifications

Parameter	Specification
Model	C80M
Fiber type	Single-mode (SMF)

Technical specifications

Parameter	Specification
OTDR wavelengths	1310/1550 nm $\pm$ 20 nm
Dynamic range	24/22 dB
Distance range	0.5–80 km
Usable reach	Depends on link losses and conditions
Pulse widths	5 / 10 / 20 / 50 / 100 / 300 ns; 1 / 2.5 / 10 / 20 μ s
Event dead zone	2 m
Attenuation dead zone	8 m
Loss measurement accuracy	$\pm$ 0.05 dB/dB
Memory	1000 records
Screen	3.5-inch color touchscreen
Optical interface	Interchangeable FC/UPC, SC/UPC and SC/APC
VFL — wavelength	650 $\pm$ 20 nm
VFL — power	More than 10 mW
VFL — connector	FC/UPC
OPM meter	Included in this configuration
OPM detector	InGaAs
OPM ranges by module	Type A (–70 to +6 dBm) / type B (–50 to +26 dBm)
OPM calibration	850 / 980 / 1270 / 1300 / 1310 / 1490 / 1550 / 1577 / 1625 / 1650 nm
OPM linearity	$\pm$ 5%
Stable light source	Included; 1310/1550 nm
Source power	$\geq$ –7 dBm
Source modes	CW / 270 / 330 / 1000 / 2000 Hz
Live-fiber testing	Option on the 1550 nm variant; not included in this dual-wavelength configuration
Battery	Rechargeable lithium
Charging	USB-C
Declared continuous runtime	More than 10 hours under Bellcore TR-NWT-001138 reference conditions

Technical specifications

Parameter	Specification
Illumination	Integrated LED
Dimensions	140 × 78 × 37 mm
Approximate weight	220 g

Applications

Single-mode fiber installation

Distance measurement and trace/event analysis.

Optical link maintenance

Fault location and loss assessment.

Optical power and source testing

OPM meter and stable light source included.

Field work

Compact unit, rechargeable battery and LED illumination.

Packaging & contents

C80M OTDR with OPM meter and stable light source included. Supplied accessories and packaging are detailed in the quotation.